BRUHATH BANGALORE MAHANAGARA PALIKE,

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name OF Work: Modified Estimate for Improvements & Construction of CC Road, drain & RCC Culverts at Dasarahalli Old Village in Dasarahalli Ward No.15

Sl. No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	Cum	42.00	81.06	Rupees Eighty one and Six Paise Only
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification	Cum	189.02	187.38	Rupees One Hundread Eighty seven and Thirty eight Paise Only
3	Providing and laying in position plain cement concrete of mix M7.5with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications.	Cum	55.55	4643.00	Rupees Four thousand Six Hundread forty three Only

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

4	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded gramire metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46cum, with suplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thck, vibrated for all the works in ground floor level for roof slabs, stair case, lintels, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns. pillars, posts, struts,butteresess, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets.etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	122.74 108.81	6041.31	Rupees Six thousand forty one and Thirty one Paise Only
5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	tonne	5.53 6.77	68039.70	Rupees Sixty eigth thousand Thirty nine and Seventy Paise Only
6	Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for vertical surface such as walls at any thickness, includig attached pilasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	644.28	298.96	Rupees Two Hundread Ninety Eight and Ninety six Paise Only
7	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone	Sqm	179.10	1600.00	Rupees One thousand Six Hundread Only

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

8	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift	Sqm	140.00	94.74	Rupees Ninety four and Seventy four Paise Only
9	Disposal of debris to the final place of disposalwith all lead and lift and as direction by the engiineer in charge of work lead 4km (P. 118 and 124 / Item No. 17.1 and 17.4) a)Basic ratre for haulage of materials as per Item No.17.4/KSSRRB:M-1004.1.... Rs 2.00 Tonne/Km B) Avearage earth work 1.28 tonne/km C)add loading and unloading complete as per specifiacations and direction of Enginee-in-charge of the work	Cum	183.49	69.00	Rupees Sixty nine Only
	above 125%	Cum	47.53	70.60	Rupees Seventy and Sixty Paise Only

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

Tender No. BBMP/EE/DD/Ten/03/2014-15, Date:31.10.2014 Item No.44

COMPARATIVE STATEMENT

Name of the Work : Modified Estimate for Improvements & Construction of CC Road, drain & RCC Culverts at Dasarahalli Old Village in Dasarahalli Ward No.15

Sl No	Description	Unit	As per Sanction			As per approved Tender rates			Total Qty Executed	Executed Qty Upto 125% of the Qty.			Beyond 125% of the Qty.			Total Amount (13 + 16)	Excess (17 - 9)	Savings (6 - 17)
			Qty	Rate	Amount	Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2	Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	cum	146.79	105.84	15536.25	146.79	95.00	13945.05				0.00				0.00		13945.05
3	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications.	cum	8.00	1438.56	11508.48	8.00	1350.00	10800.00				0.00			0.00	0.00		10800.00
3	Removing B.S. slab of drain and stacking with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.	sqm	681.60	58.32	39750.91	681.60	50.00	34080.00								0.00		34080.00
4	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications.	cum	86.49	4757.28	411457.15	86.49	4643.00	401573.07	55.55	55.55	4643.00	257919.00				257919.00		143654.07
5	Providing and laying in Position Plain cement concrete of Mix 1:2:4 with OPC cement @ 240Kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, Machine mixed, concrete laid in layers not exceeding 15 CMS , thick well, compacted, in foundation, plinth and cills, including cost of all materilals, labour, HOM of Machinery, curing complete as per specifications.	cum	92.56	5228.98	483994.39	92.56	5110.00	472981.60				0.00				0.00		472981.60
6	Refixing stone slabs of drains and pointing in CM 1:3 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.	sqm	408.96	75.60	30917.38	408.96	69.68	28496.33				0.00				0.00		28496.33
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar 1:6 incluing fixing curing etc., complete - 7.50 cm thick with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	sqm	272.64	639.36	174315.11	272.64	590.00	160857.60				0.00				0.00		160857.60
8	Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	sqm	113.60	993.60	112872.96	113.60	960.00	109056.00				0.00				0.00		109056.00
9	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone	sqm	426.00	1600.00	681600.00	426.00	1600.00	681600.00	179.10	179.10	1600.00	286560.00				286560.00		395040.00
10	Disposal of debris to the final place of disposalwith all lead and lift and as direction by the engiineer in charge of work lead 4km	cum	146.79	78.24	11484.85	146.79	69.00	10128.51	231.02	183.49	69.00	12661.00	47.53	70.60	3356.00	16017.00	5888.49	
16	Miscellaneous Charges	LS			21562.52													
	Total				**1995000.00**			**1923518.16**				**557140.00**				**560496.00**	**5888.49**	**1368910.65**
	EXTRA ITEMS																	

Eirl item 1	Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	cum							42.00	42.00	81.06	3405.00				3405.00	3405.00	
Eirl item 2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification.	cum							189.02	189.02	187.38	35419.00				35419.00	35419.00	
Eirl item 3	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded gramire metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46cum, with suplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thck, vibrated for all the works in ground floor level for roof slabs, stair case, lintels, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns. pillars, posts, struts,butteresess, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets.etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	cum							108.81	108.81	6041.31	657355.00				657355.00	657355.00	
Eirl item 4	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (TMT bars Fe 500)	ton							6.77	6.77	68039.70	460629.00				460629.00	460629.00	
Eirl item 5	Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for vertical surface such as walls at any thickness, includig attached pilasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	sqm							644.28	644.28	298.96	192612.00				192612.00	192612.00	
Eirl item 6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift	sqm							140.00	140.00	94.74	13264.00				13264.00	13264.00	
	TOTAL				**1995000.00**			**1923518.16**				**1362684.00**			**3356.00**	**1923180.00**	**1368572.49**	**1368910.65**

As per Sanctioned Estimate	Rs.	1995000.00
As per DTS Amount	Rs.	1973437.48
As per modified Estimate	Rs.	1923180.00
Work slip : Upto 125% Amount	Rs.	557140.00
Work slip : Above 125% Amount	Rs.	3356.00
EIRL Amount	Rs.	1362684.00
Savings	Rs.	338.16

Asst. Engineer
Ward No, 15

Asst. Executive Engineer
Dasarahalli Sub Division

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Executive Engineer
Dasarahalli Division

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

FORM OF EXTRA ITEM RATE LIST

FORM NO. P.W.G. 71

Name of the Work : Modified Estimate for Improvements & Construction of CC Road, drain & RCC Culverts at Dasarahalli Old Village in Dasarahalli Ward No.15

Sl No	Item of work	Unit	Qty	Rate (SR of 2015-16	Amount in Rs.	Whether the items are alternative to items in the tender of whether or they are additional items C.F. Items are inclusive of some items on the accepted tender) such items in the accepted under this items should be mentioned	Whether the extra items is included in the sanctioned estimate	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rate of the division, if so, reference to this item of the schedule to be given, it not data sheets should accompany the rate list.	Remarks
1	2	3	4	5	6	7	8	9	10	11
Eirl item 1	Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	cum	42.00	81.06	3405.00				PWD SR 2015-16 P.No.141, I.No.19.1)	
Eirl item 2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification.	cum	189.02	187.38	35419.00				PWD SR 2015-16 P.No.5, I.No.2.3)	
Eirl item 3	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded gramire metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46cum, with suplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thck, vibrated for all the works in ground floor level for roof slabs, stair case, lintels, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns. pillars, posts, struts,butteresess, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets.etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	cum	122.76 108.81	6041.31	741631= 657355.00				PWD SR 2015-16 P.No.13, I.No.4.11)	
Eirl item 4	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (TMT bars Fe 500)	cum	5.53 6.77	68039.70	3762595.0 460629.00				PWD SR 2015-16 P.No.17, I.No.4.46.2)	
Eirl item 5	Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for vertical surface such as walls at any thickness, includig attached pilasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	ton	644.28	298.96	192612.00				PWD SR 2015-16 P.No.15, I.No.4.31)	
Eirl item 6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift	sqm	140.00	94.74	13264.00				PWD SR 2015-16 P.No.174, I.No.22.7)	
					1362684.00					

Asst. Engineer
Ward No.15

Asst. Executive Engineer
Dasarahalli Sub Division

Executive Engineer
Dasarahalli Division

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057